

SPECIFICATION

*Please replace paragraph 21 as follows:*

[0021] Fig. 1 is a diagram of a typical guyed tower.

Fig. 2 is a diagram of a typical tower leg section joint detail.

Fig. 3 is a diagram of typical tower cross section.

Fig. 4 is a diagram of an exemplary reinforcing assembly according to one embodiment of the present invention.

Fig. 5A-6F 5A-5F are diagrams of exemplary details for one or more embodiments of the reinforcing legs included in an exemplary tower reinforcing assembly according to the present invention.

Figs. 6A-6C and 7A-7F are diagrams of exemplary details for one or more embodiments of the braces included in an exemplary tower reinforcing assembly according to the present invention.

Fig. 8A is an exploded view diagram of an exemplary combination of reinforcing legs and braces for reinforcing selected sections of an existing tower.

Fig. 8B is a diagram of the reinforcing legs and braces introduced in Fig. 7A after mounting to the existing tower in accordance with an exemplary reinforcing method of the present invention.

Fig. 8C is a diagram of joint details for the reinforcing legs shown in Fig. 8B.

Figs. 9A-9C are diagrams of dimensional details for the leg reinforcing members and braces in an exemplary embodiment of the present invention.

Fig. 10 is a diagram in plan view that illustrates how the reinforcing assembly of the present invention forms a structural network that surrounds at least a portion of the existing tower structure.

Fig. 11 is a diagram of an exemplary reinforcing leg that includes the bridging connectors illustrated in Fig. 4B 5B for bypassing an existing obstacle on a tower leg.

Figs. 12A and 12B are diagrams of a reinforcing leg section that includes an exemplary guy pull-off for mounting a guy wire to the reinforcing leg rather than to the existing tower leg.

Figs. 13A and 13B are diagrams of an exemplary back plate that may be used to reinforce accessory mounts on a reinforcing leg.

Figs. 14-17 are diagrams of exemplary boom gate mounts that may be used to relocate existing boom gates from existing tower legs to newly added reinforcing legs.

Figs. 18 and 19 are diagrams of exemplary details for an exemplary bottom kit, which may be included in one or more embodiments of the reinforcing assembly of the present invention.

*Please replace paragraph 42 as follows:*

[0042] Also note that each brace 44 may include adjustable-length bracing members, which may be implemented using turnbuckles (sleeve nuts) 52 62. In an exemplary sleeve nut implementation, cross brace members are separated at joined threaded ends such that the sleeve nut may be rotated to adjust the cross bracing span of brace 44 to accommodate variations in the span distance between pairs of mounted reinforcing legs 42. Selected exemplary brace details are illustrated in Figs. 7A-7F. As before, it should be understood that these details are exemplary rather than limiting.

*Please replace paragraph 48 as follows:*

[0048] Fig. 8B depicts the same three sections 14 of tower 10 after reinforcing. The assembled configuration clearly depicts the revised section joints 16 of the reinforced tower sections 16, which now include the bearing plates 48 at respective ends of mounted reinforcing legs 42 bolted together with the pre-existing tower leg flanges 32. With this arrangement, tower loads transferred along successive tower leg sections 30 through the included section joints 16 are shared by and similarly transferred along successive reinforcing legs 42. As such, the tower's ability to withstand significantly increased compressive, bending, and torsion loads may be greatly increased. Such increases permit the existing tower 10 to carry added service provider equipment and/or to meet increased safety requirements.

*Please replace paragraph 58 as follows:*

[0058] Figs. 13A and 13B illustrate exemplary details for an attachment plate 84 which may be positioned on a back side of an existing tower leg 30 and aligned with mounting holes in a reinforcing leg 2 42 such that an accessory mount attached to an outer face of the reinforcing leg may be further reinforced from behind. Thus, mounting bolts 86 may be used to pass through each side of the leg section 42.